

Thunderdome

Realizing Zero Trust

27 October 2021



DISCLAIMER

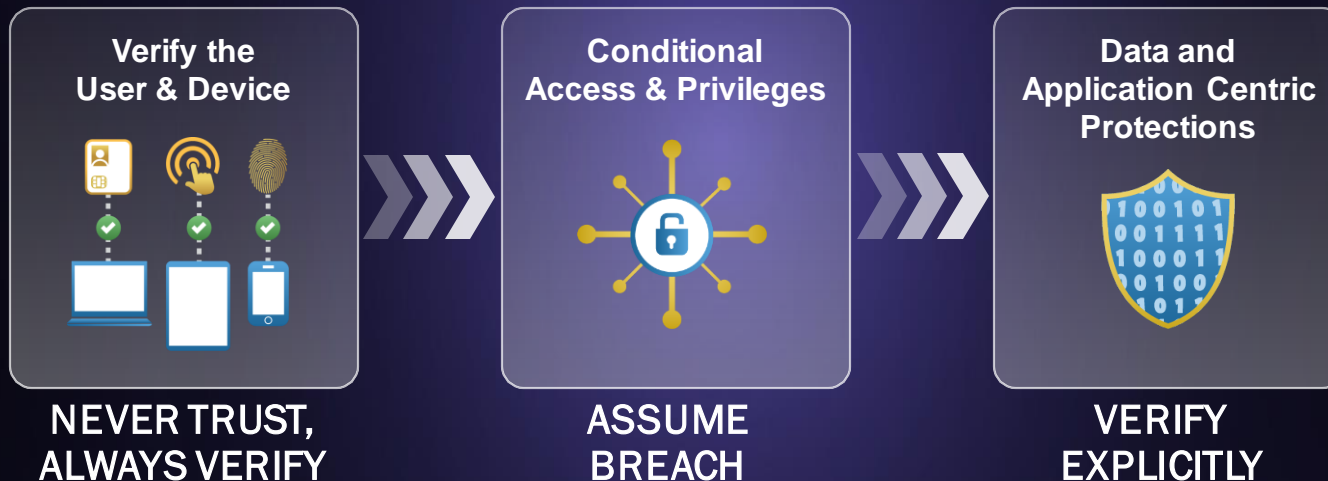
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What is Zero Trust?

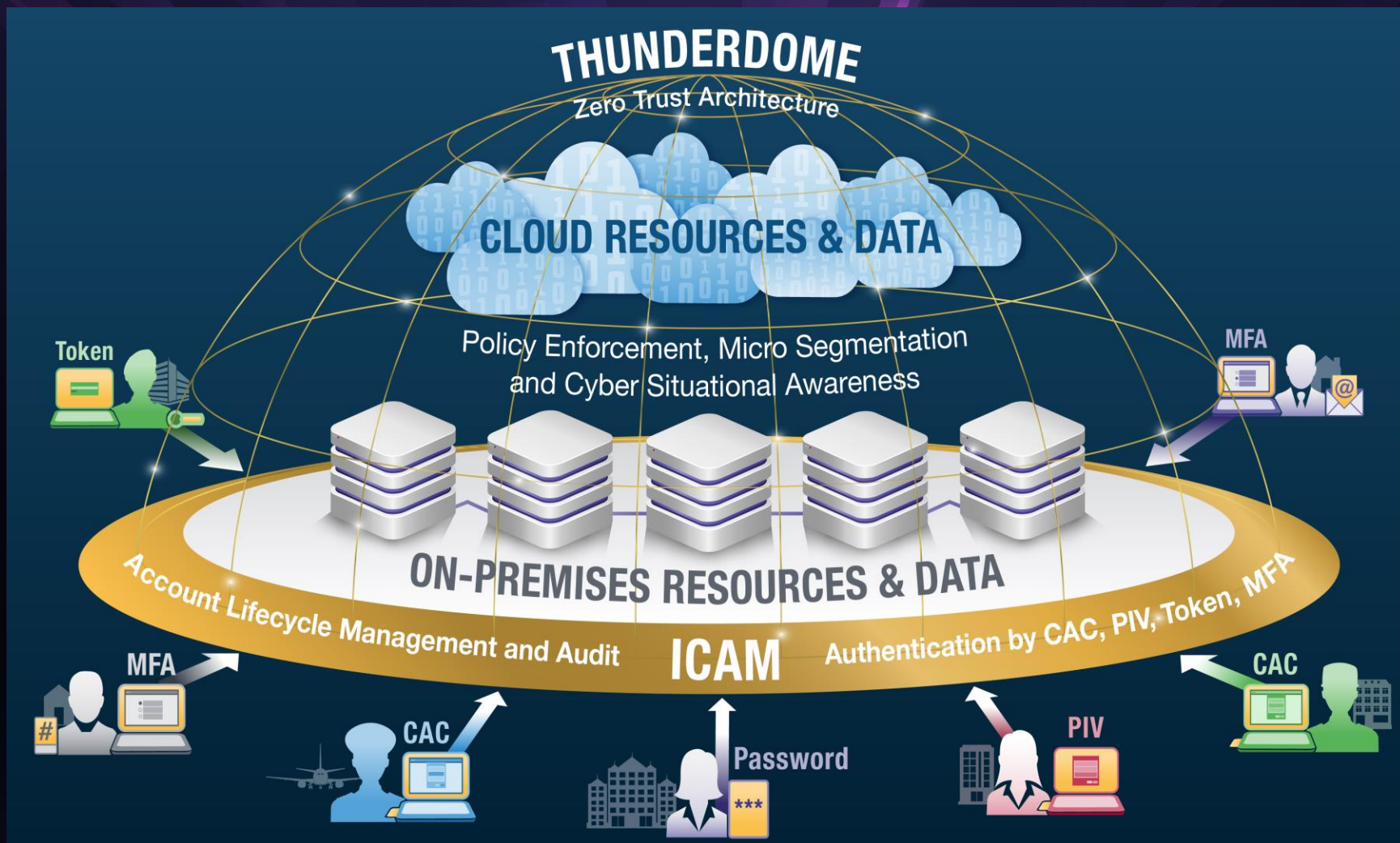
“A data-centric security model that eliminates the idea of trusted or untrusted networks, devices, personas or processes and shifts to multi-attribute-based confidence levels that enable authentication and authorization policies under the concept of least privileged access.”

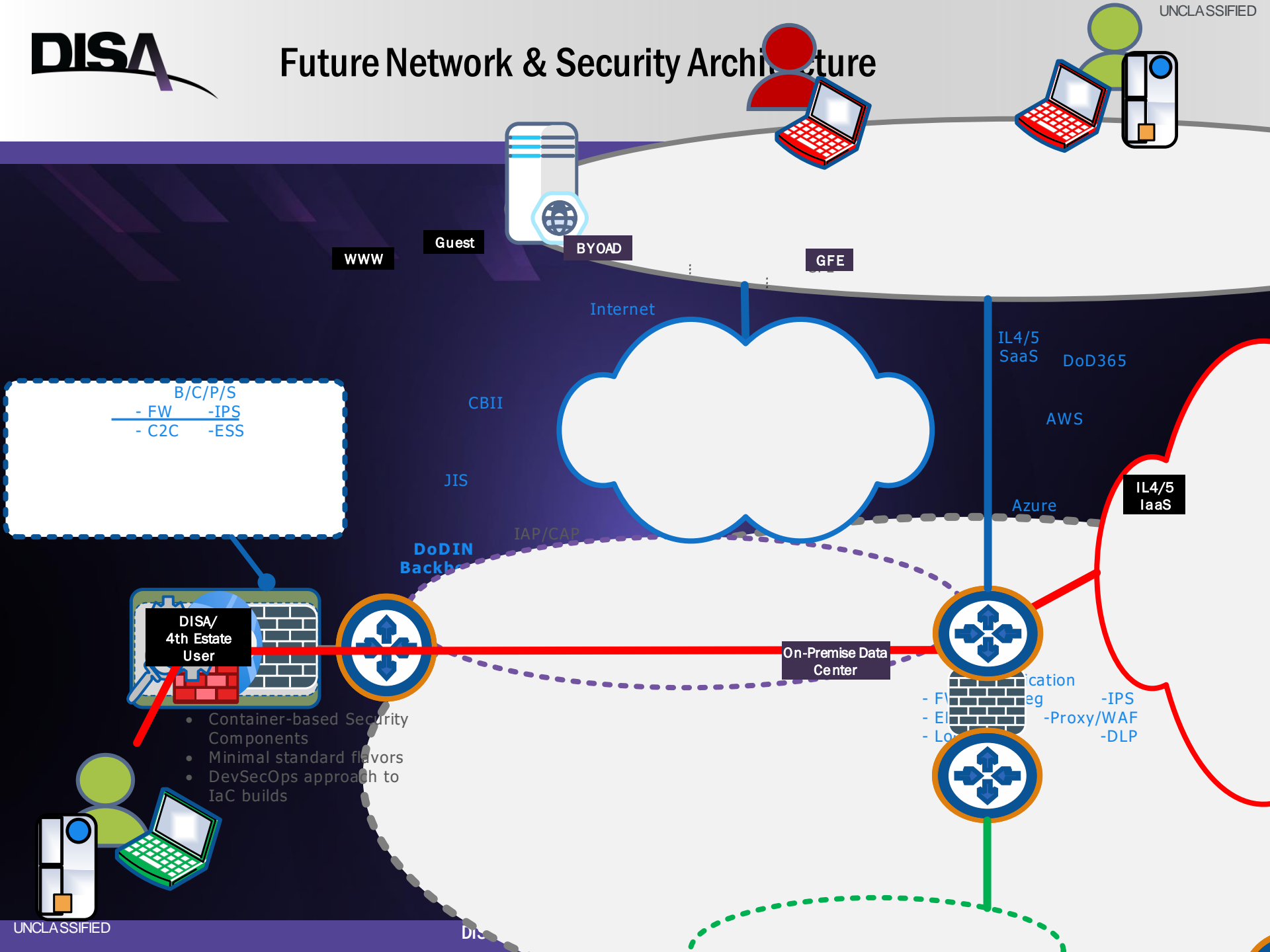
– DoD Digital Modernization Strategy





Implementation of Zero Trust at DISA







Seven Pillars of Zero Trust (ZTRA)

Capability	User	Device	Network/ Environment	Application & Workload	Data	Visibility & Analytics	Automation & Orchestration
SASE	✓	✓			✓		
SD WAN			✓				✓
Virtual Security Stack (App)				✓	✓		
Virtual Security Stack (Edge)			✓				
ICAM	✓	✓					
C2C		✓			✓		
Data Analytics						✓	✓



ICAM Alignment

Enhance Identity, Credential and Access Management (ICAM)

ICAM Joint Program Integration Office Lead



Core Capabilities

- Identity Provider (IdP)**
Centralizing authentication
- Automated Account Provisioning (AAP)**
Enabling automated workflows for account requests and renewals
- Master User Record (MUR)**
Enterprise-level aggregation and audit of access rights

CONNECT & PROTECT THE WARFIGHTER IN CYBERSPACE

Secure
Information
Sharing

Migrate
to Cloud

Resolve
Financial Audit
Findings

Adopt Zero Trust
Architecture

FY20

- ICAM Acquisition and Award
- Strategic Collaboration with Global Directory – Cloud Directory and Authentication for DoD365



1-year Prototype



Gather Lessons Learned & Cost Estimates for Enterprise Scale

FY22+

- Prioritized Onboarding DoD Financial Management Applications
- Expand support to all DoD Applications and Enterprise Services



Deploy to Multi-Region Cloud



Support DoD-wide Authentication, Authorization & Account Lifecycle Management



DISA ICAM Integration

Workforce

Have



Security
Factors



End User
Device(s)

Authenticate



DoD Identity
Sources

ICAM

To Access



Applications





DEFENSE INFORMATION SYSTEMS AGENCY
The IT Combat Support Agency

